

In the claims:

Please amend the claims as follows:

- 1.-37. (cancelled)
38. (new) A method of inactivating reverse transcriptase comprising binding said reverse transcriptase with one or more compounds and then irradiating said reverse transcriptase.
39. (new) The method of claim 38, wherein said one or more compounds that binds said reverse transcriptase is an azido-labeled compound.
40. (new) The method of claim 39, wherein said azido-labeled compound is azido dipyrrodiasepinona or *N*-[4-chloro-3-(3-methyl-2-butenyloxy)phenyl]-2-methyl-3-furanocarbothiamide.
41. (new) The method of claim 39, wherein said azido-labeled compound is *N*-[4-chloro-3-(3-methyl-2-butenyloxy)phenyl]-2-methyl-3-furanocarbothiamide.
42. (new) The method of claim 38, wherein the irradiation is with UV light.
43. (new) The method of claim 38, wherein reverse transcriptase is comprised in an HIV particle.
44. (new) The method of claim 43, wherein said HIV particle is HIV-1.
45. (new) The method of claim 44, wherein said HIV-1 is Group M or Group O.
46. (new) The method of claim 45, wherein said Group M are selected from the group consisting of clade A, clade B, clade C, clade D, clade E, clade F, clade G, clade H, and clade I.
47. (new) The method of claim 45, wherein said Group M particles are clade B particles.
48. (new) The method of claim 38, further comprising administering the inactivated reverse transcriptase to a subject.
49. (new) The method of claim 48, wherein the subject is human.

50. (new) The method of claim 49, further defined as a method of vaccination.
51. (new) A reverse transcriptase that has been inactivated via binding said reverse transcriptase with one or more compounds and then irradiating the reverse transcriptase with UV light.
52. (new) The reverse transcriptase of claim 51, wherein reverse transcriptase is comprised in an HIV particle.
53. (new) The reverse transcriptase of claim 52, wherein HIV is HIV-1.
54. (new) The reverse transcriptase of claim 53, wherein said HIV-1 is Group M or Group O.
55. (new) The reverse transcriptase of claim 54, wherein said Group M are selected from the group consisting of clade A, clade B, clade C, clade D, clade E, clade F, clade G, clade H, and clade I.
56. (new) The reverse transcriptase of claim 54, wherein said Group M particles are clade B particles.